



## **MAN Engines expands its strategic focus and portfolio for engines for off-road use**

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**Customer-specific requirements are met perfectly through their efficient integration into the system environment**

**The latest 12 and 6-cylinder engines expand the high-performance engine portfolio in emissions standard EU Stage IV and US Tier 4 final, ready for EU Stage V**

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**Intelligent solutions for servicing and maintenance**

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With its engines for agricultural technology, MAN Engines is steering away from merely delivering its products to original equipment manufacturers and is shifting its focus to suit the specific needs of major customers through targeted customisation. To this end, a broad portfolio of the latest 6 and 12-cylinder engines are available with outputs of between 294 and 816 kW (400 to 1,110 hp). Thanks to a modular exhaust gas aftertreatment kit, single components can be freely positioned to permit various different installations. This modular exhaust gas aftertreatment kit offers original equipment manufacturers a great deal of flexibility across all series when designing their machines.

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The MAN D2862 LE13x 12-cylinder engine and the MAN D3876 LE12x 6-cylinder engine make a significant contribution towards expanding and reforming the engine portfolio for agricultural technology. Both engines will be presented to the world for the first time at the Agritechnica 2015 in Hanover. The units are integrated into the overall concept of efficient MAN engines and are designed to have a high power density to provide maximum power in compact dimensions. Both series are based on the latest MAN series, meaning that machine manufacturers will have access to them in the long term even beyond EU Stage V. Thanks to an innovative turbo charger which uses variable turbine geometry (VTG) or a wastegate, and the latest Common Rail injection systems of up to 2,500 bar, MAN engines

The MAN Group is one of Europe's leading industrial players in transport-related engineering, with revenue of approximately €14.3 billion in 2014. As a supplier of trucks, buses, diesel engines, turbomachinery, and special gear units, MAN employs approximately 55,900 people worldwide. Its business areas hold leading positions in their respective markets.



achieve a considerably more dynamic performance characteristic, a wider usable torque range and a reduction in fuel consumption. Both engines comply with the strict emissions standards of EU Stage IV or US Tier 4 final and are ready for EU Stage V. A fully integrated EDC17 engine control system acts as a single control unit for the engine and exhaust gas aftertreatment system while offering a high level of flexibility with regard to simple system integration into highly diverse device concepts.

To meet the increased market demands for servicing and maintenance, MAN Engines enables manufacturers to run extensive diagnostics in their environment via standardised data interfaces. MAN offers machine manufacturers optional self-service concepts at the MAN Engine Academy in the Nuremberg International Engine Competence Center, and at international partner training centres across all continents.

MAN has over 40 years experience as an engine supplier for agricultural machine manufacturers, a fact which comes to bear in the engines MAN specially develops for agricultural technology. In addition to designing particularly robust components such as auxiliary units or belt drives, the engines are also designed to be used in dusty, hot conditions thanks to insulation measures on the exhaust system. For maximum inclined positions, MAN engineers create special oil sumps and design the power supply based on a 12V vehicle electrical system commonly used in agricultural technology, besides also offering a 24V standard variant. Even the integration of engines into specific installation spaces and vehicle concepts is part of the MAN Engines service portfolio. "It was back in the early 80s that we first installed our highly robust load-bearing structure consisting of the oil sump, crankcase and flywheel housing. Together they became the load-bearing parts in agricultural tractor construction and thus helped create a particularly small turning circle and low vehicle weight." explains Jürgen Haberland with pride, Head of Off-Road MAN Engines.

The tried and tested engines and emissions technology used in hundreds of thousands of engines in MAN trucks form the basis for the off-road engines. Also essential to the off-road engines is the standard parts concept which is used across all engine series for service components and compo-



ment groups, such as belt drives, auxiliary units and filters. Thanks to high parts availability, maintenance work can be simplified (much to the customer's delight), handling costs are reduced and thus the overall cost of running efficient MAN engines also decreases.

This year, MAN Engines is attending the Agritechnica trade fair in Hanover from 8 to 14 November 2015. It will be presenting in hall 17 at stand D52 as a supplier of engines for agricultural machines and power generation (combined heat and power). In addition to engines and trucks from MAN Truck & Bus AG, products from Volkswagen Powersystems will also be on display.